IN THE CLAIMS

Please amend the claims as follows:

Claims 1-12 (Canceled).

Claim 13 (New): An acoustic insulating glazing unit comprising:

at least two substrate sheets, joined together around their periphery using a device that forms a sealed joint/spacer frame, which device, with the two substrate sheets, defines a flat cavity filled with a gas,

wherein formed over at least part of a periphery of the cavity is at least one microcavity, constituting a zone of thermoviscous losses from the cavity along at least one of internal walls of the two substrate sheets by which the cavity is bounded, dimensions of the at least one microcavity promoting propagation of at least some of the acoustic waves from the cavity into the at least one microcavity, generating thermoviscous losses and thus reducing acoustic energy of the cavity,

means being provided to contain the acoustic waves escaping from the at least one microcavity.

Claim 14 (New): The glazing unit as claimed in claim 13, wherein the at least one microcavity is in a form of a thin layer, a width of which is between 0.2 mm and 1 mm, limits inclusive, and a useful height of which is at least equal to 6 mm.

Claim 15 (New): The glazing unit as claimed in claim 14, wherein the height of the thin layer is at least equal to 11 mm.

Claim 16 (New): The glazing unit as claimed in claim 13, wherein the at least one microcavity is formed on at least one face and at least on one of sides of the glazing unit.

Claim 17 (New): The glazing unit as claimed in claim 16, wherein the at least one microcavity is formed on each of faces of the glazing unit, and around an entire periphery of the glazing unit.

Claim 18 (New): The glazing unit as claimed in claim 13, wherein the at least one microcavity is formed between an internal wall of a substrate sheet and a facing wall of a section placed at an internal periphery of the cavity and defining an inner chamber that communicates with the at least one microcavity by at least one opening made in the facing wall of the section, the chamber configured to contain the acoustic waves escaping from the at least one microcavity.

Claim 19 (New): The glazing unit as claimed in claim 18, wherein an opening is formed by a continuous or discontinuous longitudinal slot provided in a lower part of the section opposite the flat cavity.

Claim 20 (New): The glazing unit as claimed in claim 19, wherein a height of the slot is of the order of 1 mm.

Claim 21 (New): The glazing unit as claimed in claim 18, wherein the section is formed by an element of at least U-shaped cross section, a bottom of which is in contact with the gas-filled cavity, and flanges define the inner chamber, and the flanges each define the at

least one microcavity with the facing wall of the substrate and cooperate by their base with the device that forms the sealed joint/spacer frame.

Claim 22 (New): The glazing unit as claimed in claim 21, wherein the device forming the sealed joint/spacer frame includes a frame having a bottom in contact with a peripheral gasket that adheres to internal edges of the two facing substrate sheets, and flanges placed opposite the substrate sheets with interposition of a continuous or discontinuous bonding/sealing bead, the U-shaped section for forming the at least one microcavity being attached to the insert frame or being formed as one piece with the insert frame, in which case the flanges of the insert frame are extended to form those of the U-shaped section.

Claim 23 (New): The glazing unit as claimed in claim 21, wherein the device forming the sealed joint/spacer frame includes a peripheral foil that adheres to edges of the two substrate sheets, the U-shaped section for forming the at least one microcavity being attached to the foil.

Claim 24 (New): The glazing unit as claimed in claim 13, wherein one substrate sheet is formed by a monolithic glass, a laminated glass, or an acoustic laminated glass.